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The Delaware Nurseries

D. S. COLLINS, Manager

MILFORD : DELAWARE

We Propagate :

Peach Trees (See page 3)

Apple Trees (See page 7)

Plum Trees (See page 10)

Pear Trees (See page 11)

Cherry Trees (See page 12)

Gooseberry and Currant Plants

Grape Vines (See page 12) (See page 10)

English Walnut Trees (See page 13)

Black Walnut Trees (See page 13)

Chestnut Trees (See page 13)

Shade Trees (See page 13)

Privet Hedge Plants (See page 14)

Rambler Rose Bushes (See page 14)

Hydrangea Plants (See page 14)

Apple and Peach Trees are our specialties. We grow them for the wholesale trade, in carload lots, and we grow them for the planter in any desired quantity



Useful Information

USUAL DISTANCES FOR PLANTING

Peaches	20 ft. apart each way
Apples, standard	30 ft. apart each way
Pears, standard	20 ft. apart each way
Cherries, strong-growing	20 ft. apart each way
Cherries, Duke and Morello	18 ft. apart each way
Plums and Apricots	16 ft. apart each way
Grapes: Rows 10 ft. apart, vines 8 ft. apart in rows.	
Blackberries: Rows 6 ft. apart, plants 3 ft. apart in rows.	
Raspberries: Same distances as for Blackberries.	
Gooseberries: Rows 4 ft. apart, plants 3 ft. apart in rows.	
Currants: Same distances as for Gooseberries.	

NUMBER OF TREES OR PLANTS TO AN ACRE

When 30 feet apart each way	48 trees or plants
When 24 feet apart each way	76 trees or plants
When 20 feet apart each way	109 trees or plants
When 18 feet apart each way	135 trees or plants
When 16 feet apart each way	170 trees or plants
When 14 feet apart each way	222 trees or plants
When 12 feet apart each way	302 trees or plants
When 10 feet apart each way	435 trees or plants
When 8 feet apart each way	681 trees or plants
When 6 feet apart each way	1,210 trees or plants
When 5 feet apart each way	1,742 trees or plants
When 4 feet apart each way	2,722 trees or plants
When 3 feet apart each way	4,840 trees or plants
When 2 feet apart each way	10,890 trees or plants
When 1 foot apart each way	43,560 trees or plants

TO AVOID MISTAKES, when ordering, write the order plainly on a separate sheet of paper from the letter. State the number of each variety of trees or plants desired, and at same time state the grade or price of each.

State if to go by freight, express or by mail. No charge is made for packing. All shipments are at the risk of the purchaser, after being delivered to the railroad company or any other forwarder.

TERMS: Cash with order, or give satisfactory reference.

TREES PRUNED BEFORE SHIPPING (if desired)

When the purchaser desires us to do so, before packing and shipping to them, we will prune trees which they buy of us, just as they should be when planted out in the yard or orchard, at the rate of 50 cents per 100 trees. If this is done before shipment, it will reduce the transportation cost, and then the trimming (or pruning) would not have to be done after stock arrives.

Just a Few Words

We make no attempt to mislead our customers by saying our stock is superior to that grown by any other nurseryman, and that it will produce most wonderful results. We simply say we employ the best-known methods for growing trees and plants which will prove profitable and satisfactory to the planter.

We use every effort to have our stock all clean, thrifty, free from insects and disease, and true to name, and such as will bring us more orders year after year.

We do not cultivate so many acres in nursery stock as some other nurserymen do, but we give the work in the field our personal care and attention, in the effort to keep various varieties of trees and plants true and clean. Growers with exceedingly large nurseries cannot do this, but must necessarily trust part of this very important work to their hired men, and these employees do not always have the interest of their work and employer at heart.

We know the importance of keeping the different varieties of trees and plants in the nursery true and unmixed. If they should get mixed, then there is trouble ahead for both the planter and the nurseryman.

We are glad at any time to show our customers and prospective purchasers (or any others) through our nurseries, so they may inspect the stock we offer.

OUR GUARANTEE: While we exercise the greatest care to have every tree and plant true to name, and are ready, on proper proof, to replace any sent out by us which prove untrue to label, free of charge, it is mutually understood and agreed between the purchaser and ourselves that we are not to be held liable for any greater sum than that paid us for said trees or plants which may prove untrue.

DIRECTIONS FOR TRANSPLANTING, ETC.

Plow the ground and harrow it as for a crop of corn or other field crop, then dig the holes large enough to admit the roots without crowding or doubling them up. Avoid any unnecessary exposure of the roots to sun or wind while planting the trees or plants. Take a few into the field at a time, and keep the balance covered until wanted to plant. Avoid deep planting, which is decidedly injurious to the trees or plants, and when excessive may cause them to die. They should be planted about as deep as they stood in the nursery rows. A moderate amount of earth should be heeled up around the tree when planted in the fall, as it makes it firmer to withstand the winter, and is a protection to the roots. It should be leveled again in the spring. Before planting, the injured parts of the roots should be cut off smoothly with a sharp knife.

Shortening the branches is another very important matter to the life and vigor of the tree, and should be done at the time of planting or immediately after planting. It consists in cutting back the ends of the branches, but to what extent it should be done depends upon circumstances. If the tree has lost a considerable portion of its roots, a severe shortening-in of the branches will be necessary; if only a small portion of the roots has been cut off, then moderate pruning will be sufficient. In all cases it should be done in a manner corresponding to the loss of roots.

Give the trees good, clean cultivation, as you would your corn crop. Hoed crops, such as potatoes, tomatoes or other vegetables may be planted in the young orchard during the first two or three years, but after that nothing should be there but the trees.

VARIETIES TRUE TO NAME.

Fully realizing the fact that it is to our best interest to supply stock which will prove true to label, we try to visit the best fruit orchards in the country while the fruit is being harvested, and, from the best trees only, in these orchards, get such propagating buds and wood, from the desired varieties, as is required for our purpose.

In addition to this, we have test orchards of our own, where we plant new varieties which are offered, and if they prove meritorious we then propagate from the best specimens, at the same time using all possible diligence in our nurseries to label each variety, as it is budded or grafted, with its proper name.

FUMIGATION.

We thoroughly fumigate with **Hydrocyanic Acid Gas** all stock, before sending it out from our nurseries, in order to be absolutely sure it is clean and free from insects.

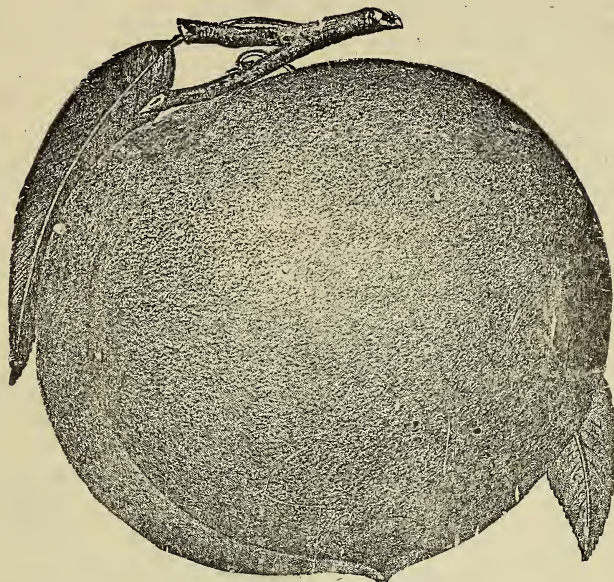
Our specialties are the production of the choicest and most improved varieties of peach and apple trees for commercial orchards, as well as for the small quantities desired for home lot planting. We can also supply California Privet Hedge plants, for lawn or yard planting, in large or in small quantities.

We have been in the business right here, in the best peach and apple growing section in the United States, for more than 20 years.

We also offer Grape Vines, Pear, Cherry, Plum and Shade Trees. Ask us for our list of varieties and prices.

Send us list of your requirements for our quotations.

We employ no agents and our prices are not high. We grow all the stock we offer, and do not buy it from some other nursery to sell again.



PEACHES A SPECIALTY WITH US

We are located in a section where the Peach grows to perfection. Delaware Peaches are the highest standard of this fruit in all our city and other markets, and it is from this sort of trees that we propagate trees which we send out.

Plant a Peach orchard, for there is no better investment you can make on your farm. Do it now, and you will be surprised how soon you will have a full-grown, paying orchard. Keep putting it off from year to year, and you will never have it.

If you want to keep the farm, a good orchard will bring you handsome returns for the money invested in it; or, if you should wish to sell the land, the orchard on it would enhance its value many times the cost of the orchard. About the first question a prospective purchaser of a farm asks is, "Have you an orchard on this land?"

The Peach will succeed on a great variety of soils, but our best success is attained where light, gravelly soil is used.

VALUABLE NEW PEACHES.

AUSTIN: Very large, white, freestone. Ripens in Delaware first of September. This is a new peach of our own and it is sold only by us. The most desirable one yet. Largest, finest quality white freestone variety ripening at this season.

	Each	10	100
First-size trees, 4-5 ft.....	\$.25	\$2.00	\$12.00
Second-size trees, 3-4 ft.....	.20	1.50	10.00
Third size trees, 2-3 ft.....	.15	1.00	8.00

DARWIN: This Peach we have propagated from a seedling tree which grew here in our experimental grounds from a seed of Thurber Peach. The original tree first fruited several years ago, at the age of three years. It is one of the finest Peaches in size, appearance and quality that we have ever seen. Now we offer a limited number of trees of this variety.

The tree is a strong, upright grower, with very dark green foliage, and the leaves are very long and broad.

Fruit is yellow, with red cheek on sunny side; flesh deep yellow, red at seed; of fine quality and flavor; entirely freestone. One of the largest Peaches we have yet seen. The fruit runs uniform in size and shape. Similar in form to Late Crawford. Ripens in Delaware middle of August.

	Each	10	100
First-size trees	\$0.25	\$2.00	\$10.00
Second-size trees20	1.50	8.00
Third-size trees15	1.00	6.00

GENERAL LIST OF PEACHES.

PRICES OF PEACH TREES, except where noted:

	Each	10	100	1,000
First size, 4 to 5 feet.....	\$0.15	\$1.00	\$7.00	\$60.00
Second size, 3 to 4 feet.....	.10	.80	6.00	50.00
Third size, 2 to 3 feet.....	.08	.70	5.00	40.00
Light size, 1 to 2 feet.....	.06	.50	3.50	30.00

EIGHT FINE VARIETIES, NAMED IN ORDER OF RIPENING

Hiley (White)	Belle (White)	Darwin (Yellow)
Connett (White)	Oldmixon (White)	Frances (Yellow)
Champion (White)	Elberta (Yellow)	

FIRST RIPENING

Greensboro. The largest and most beautifully colored of the early varieties. Double the size of Alexander, and ripening with it. Yellowish white, with crimson cheek; flesh white, very juicy and fine quality. The best commercial Peach of its season. Tree a strong, healthy grower

Troth. An early Peach of medium size, very fine quality; whitish, with fine red cheek. Middle of July.

Connett. A seedling of the old Chinese Cling, which originated in Guilford County, North Carolina. Fruit is large, of a creamy white shade, having a beautiful blush next to sun. Free stone. Mountain Rose type.

Ray. Chinese strain. Tree a fine grower. Fruit ripens just after Troth's Early and is of good, large size. Very productive; white with red blush.

Hiley (Early Belle). This is a seedling of the Belle of Georgia, and is one of the best Chinese type or strain, which includes our most hardy Peaches of today. This is a variety of great size and beauty, ripening about two weeks before its parent, or about the last of July. Tree is a moderate

grower, fruit buds extremely hardy. A large, creamy white Peach, with rich blush on sunny side. Perfect freestone. A long keeper and fine shipper. This Peach is a money-maker, and it has no superior in its seasons of ripening. It has been thoroughly tested.

SECOND RIPENING

Mountain Rose. This is a valuable standard market variety. Tree is a strong, upright grower, producing medium, globular, white-fleshed fruit, with rich, rosy cheek. Delicious quality. Freestone. This Peach is hard to beat in its season. It is one of the well-tested sorts, and is, possibly, one of the best-known Peaches in our list.

Carman. Another of the north China type. Tree is of rather a low, spreading habit of growth, and has dark-colored foliage. It is extremely hardy in fruit-buds and very productive. Fruit is large, round, rich creamy white, covered with deepest carmine on sunny side; often this brilliant color is splashed or streaked with creamy white and pink, so beautifully intermingled as to make Carman one of the most beautiful Peaches grown. Flesh very tender and melting. It is a freestone when fully ripe.

THIRD RIPENING.

Champion. This is one of the best medium-early Peaches, and is very hardy in fruit-bud. It is also remarkable for size and good quality. Rich creamy white, with red cheek. Firm, sweet and delicious. Semi-cling until fully ripe, then free. Sure bearer. Size, beauty and high quality command for it a place in every family or market orchard. Early August.

Belle. This white-fleshed sister of Elberta is a strong grower and more hardy in fruit-bud than Elberta; extremely productive of large, oblong, creamy white fruit, with red blush on sunny side. A free stone of rich, sugary sweetness, which makes it one of the most delicious Peaches grown. Grand for family or market. Early August.

FOURTH RIPENING

Early Crawford. This beautiful yellow freestone Peach is highly esteemed for market purposes. Fruit large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy, sweet, excellent. Tree exceedingly vigorous and productive. One of the old standard varieties which always brings the prices in market.

Moore. A handsome, large Peach; white, with blush next to the sun, similar to Oldmixon Free and ripens about the same time. Freestone. Desirable.

Oldmixon. This is a fine, large, productive variety, succeeding well in most all localities, and well deserving the high favor in which it is held as an orchard variety. Skin is yellowish white, with a red cheek; flesh white but red at the seed, tender, rich and excellent.

Stump. Large, roundish; skin white, with a bright red cheek; flesh white, juicy and high-flavored. Freestone. Very productive and one of the best market varieties.

Reeves. Fruit large, roundish, with a fine red cheek; flesh deep yellow, red at seed, juicy, melting, with a

good vinous flavor; excellent. One of the largest and handsomest Peaches, and should be in every orchard. Tree is hardy, carries good, vigorous foliage, and is productive. Middle of August.

Elberta. Large; skin golden yellow, with fine red cheek where exposed to the sun; flesh yellow, juicy, rich and splendid flavor. Tree is very hardy and a sure bearer. This variety is doing well in all Peach sections, both north and south. This is by far the most successful variety yet introduced and is the standard market Peach in various sections of the country, always bringing good prices. It is a perfect freestone. Middle of August.

Frances. A superb late yellow Peach, said to be a seedling of the famous Elberta, which variety it just follows in time of ripening. When the Elberta is done, the Frances is ready for shipment. It thus prevents a break in the succession, and reaches market at a time when Peaches command the highest price. It is one of the handsomest Peaches ever grown. Is about the size of Elberta. A perfect freestone. It has no rival as a shipper, and no superior in appearance of fruit. Frances is one of the finest.

Thurber. Of the Chinese Cling group. Large; white, with crimson mottlings; very juicy, of exceedingly fine texture. This is, indeed, one of the finest Peaches for this section. It is a freestone and a sure bearer.

Edgemont. A fine, large, yellow freestone. Ripens last part of August.

FIFTH RIPENING

Late Crawford. High quality and very large size; skin is yellow, with a broad, dark red cheek; flesh deep yellow, red at the seed; fine flavor; freestone. This is one of the best market sorts and should be included in every collection. It comes in at a time when the early Peaches are over; then this variety is eagerly bought up for canning and preserving, and brings the highest prices.

Many of the best-paying orchards in the country are planted with our trees.

Chairs. This fine, large market variety is now in strong demand. Strong, upright tree and very hardy in bud. Very productive. Fruit deep yellow, covered on sunny side with deep red; firm, fine shipper and high quality. Freestone. Ripens about with Late Crawford.

SIXTH RIPENING

Stevens. Large, white, shaded and mottled red; flesh white, juicy, vinous, of high quality, hardy; a heavy and regular bearer. One of the finest late white Peaches. Profitable market sort. Freestone.

Fox. A very valuable Peach, ripening at a time that makes it desirable (September). Large; skin white, with bright red cheek; flesh melting, sweet and fine. A desirable variety for marketing or canning; good shipper, freestone; reliable bearer.

Walker. This is a fine, late, large market variety. Has a beautiful red surface on the sunny side; very attractive, good quality. White flesh; freestone; prolific.

Davis. Originated in Delaware. Tree vigorous and exceedingly abundant bearer; begins fruiting quite young; fruit medium to large and handsome, and the very best white Peach in its season. It is sure to fruit if other sorts do, and many times it will fruit when other sorts fail. Freestone. Between Late Crawford and Smock.

Saratoga. We consider the Saratoga the finest late, yellow, clingstone Peach. It is very large and handsome and of high quality. If you want a late, yellow, clingstone Peach for canning or brandying, there is none better than this one.

Beers Smock. Fruit medium to large; skin light orange-yellow, mottled with red; fine, rich flavor; freestone. This is one of the very desirable late market varieties. Middle of September.

Geary. Large; yellow; freestone; ripens a little later than Smock. It is a fine one.

Heath Cling. Fruit large; pale yellowish white, with tinge of red; exceedingly rich and juicy, with sweet, high flavor; will keep a long time after being taken from the tree. This is a fine late Peach for canning and brandying.

Ringgold. A seedling of White Heath Cling, but larger. Many growers think it superior in quality to the White Heath Cling, which variety it ripens with, and is very similar to in all respects.

Sussex. We think this is the finest late, white, cling Peach we know of. It is one of the finest for canning and brandying. It is of good size and keeps a long time after taking from the tree.

Salway. A large, late, yellow freestone, handsomely mottled with brownish red cheek; flesh deep yellow; juicy, melting, rich; very productive. Ripens after Beers' Smock.

Bilyeu. About the latest Peach in the market, ripening after Smock and Salway. Fruit of large size; color white, with beautiful blush cheek; flesh white; freestone; an excellent shipper. Does well in Western Maryland and the Virginias.

When you send us your order, give us name and address of your neighbor, whom you think would like to have a copy of our catalogue, and we will include in your order, FREE, one fine Peach tree and one fine Apple tree. Mention this offer when you order. By doing this you will not only help us, but you will be conferring a great favor on your neighbor and, incidentally, on your section, for you will be helping to elevate the quality of fruit grown in it.

Peach trees grown in the recognized Peach belt of the country are bound to be better than those grown in other sections—and this is the kind of trees we offer, with years of experience behind them.

APPLES

This desirable fruit should be in every collection, even if only a small plot of ground is at hand. In its numerous varieties, its season of maturity extends through the year. This is the only one of our native fruits which will serve us in this way. This is indeed a healthful, handsome and most desirable profitable fruit.

BENNETT: We have the original tree of this variety here at Milford, Delaware. It is an exceptionally fine early sort, and it is a seedling. We have already budded a few trees from it. You will hear more about it later. It is going to show for itself. We shall propagate it as fast as we can.

BANANA: Fine, vigorous grower; large, healthy foliage; early bearer. Fruit medium to large, smooth and handsome, golden yellow, usually shaded with bright crimson; highest quality. It is exceedingly fancy and one of the best dessert Apples.

	Each	10	
First-class, 1-yr., 3 to 4 ft.....	\$0.50	\$4.00	
Second-class, 1-yr., 2 to 3 ft.....	.40	3.00	

KING DAVID: A beautiful, very dark red variety resembling, somewhat, Jonathan. Fine quality and a most excellent keeper. Tree is an early and prolific bearer. Late fall.

	Each	10	
First-class, 1-yr., 3 to 4 ft.....	\$0.50	\$4.00	
Second-class, 1-yr., 2 to 3 ft.....	.40	3.00	

DELICIOUS: This is a winter sort. Brilliant dark red shading off to golden yellow at the blossom end; flesh fine-grained, juicy, crisp and melting. One of the most popular and profitable sorts yet introduced. Tree vigorous, thrifty and a good, dependable cropper.

	Each	10	
First-class, 1-yr., 3 to 4 ft.....	\$0.50	\$4.00	
Second-class, 1-yr., 2 to 3 ft.....	.40	3.00	

Prices of Apple Trees, except where otherwise noted (budded on whole roots):

	Each	10	100
.... First-class, 2 year, 4 to 5 feet.....	\$0.20	\$1.50	\$12.00
First-class, 2 year, 3 to 4 feet.....	.15	1.00	8.00
First-class, 1 year, 3 to 4 feet.....	.15	1.00	8.00
First-class, 1 year, 2 to 3 feet.....	.10	.80	6.00

EARLY APPLES

Yellow Transparent. Of Russian origin and very hardy. Medium size; skin very delicate shade of yellow, with smooth, waxy surface; flesh white, melting, excellent. For an early Apple this is an exceptionally good shipper and keeper. Tree a good grower and a remarkably early bearer. July.

Livland. One of the new early sorts which is spoken of very highly. It is a Russian Apple of large size. Skin red; flesh white, stained with red, tender and subacid. Tree a vigorous and early bearer.

Early Harvest. Fruit medium size, roundish; bright straw-color; flesh nearly white, tender, juicy, rich sub-

acid flavor. Tree a moderate grower and very productive. Taking all its qualities into consideration, this is a fine one among the early Apples. July.

Early Ripe. This Apple is of good size; golden yellow; prolific bearer; fine quality. The most profitable and desirable sort of its season. First part of July.

Early Strawberry. This is a medium-sized round Apple; light pink, with small red stripes; flesh tender, white, stained with pink; subacid; very good. Tree a good bearer.

July. Originated in Germany. Of medium size, white, sometimes with yellow and red next to sun; flesh white, juicy, subacid, very good. Valuable for market.

Wilson June. Medium size; deep red skin; tender, juicy, subacid, very good quality. Valuable for dessert and for market. Early July.

Bennett. See description in list of New Apples.

Starr. This is, indeed, a fine summer Apple for general culture. The tree is a good grower, comes to fruiting young, and produces annually abundant crops. Fruit is very large, the largest early Apple we know. Showy, being pale green, frequently with blush on sunny side. It is an exceptionally good shipper for such an early Apple. A very superior cooking and eating variety.

Williams. This seems to be a great favorite for an early market variety. Fruit rather long in form, with handsome red skin, very attractive; flesh yellowish white; very mild and agreeable flavor. Middle to last of July.

Red Astrachan. Rather large; deep crimson, with a pale white bloom; juicy, rich acid flavor. From its earliness, handsome appearance, its excellent culinary qualities and vigor of the tree, it has proved one of the best early sorts for market. Tree a vigorous, upright grower and does well in almost all locations. Last of July.

Sweet Bough. This is a good, sweet Apple. It is large, pale yellow, tender. Tree a good, healthy grower.

Summer Pearmain. Medium size; conical; light russet or pale red; juicy; of best quality. Tree a good grower. The fruit keeps well and it is, indeed, a fine summer Apple and always desirable.

Gravenstein. A fine-sized Apple, perfect in form and handsome in coloring—orange-yellow overlaid with broken stripes of light and dark red. Fine quality; one of the best summer Apples, and always brings good prices in market.

Summer Rambo. One of the oldest varieties, of French origin, and at one time was one of the most profitable for early market. Fruit is above medium size and rather flat, of a pale greenish yellow, streaked and splashed with red on sunny side. August.

AUTUMN APPLES

Maiden Blush. Rather large; pale yellow with blush or red cheek; handsome; valuable for market. This is the best variety for drying, cooking or canning. Tree is a good grower and bears heavy crops. September and October.

Grimes. This is a fine, bright yellow Apple of high quality which grows and bears well in all sections of the country. It is very productive. October.

WINTER APPLES

King David. See description and prices in list of New Apples.

Wolf River. An exceedingly large and handsome Apple; skin is bright yellow, mottled and blushed with deep red and marked with conspicuous splashes and broad stripes of bright carmine; flesh is slightly tinged with yellow; firm, tender, juicy, aromatic and of good quality.

Stark. Large; greenish yellow, shaded, splashed and striped light and dark red; flesh yellowish and moderately juicy, mild, subacid and fine. Long keeper and reliable commercial sort. Tree is one of the strongest growers.

Wealthy. This is a fine-keeping Apple, but it is best in December and January. Tree is hardy and vigorous and bears abundant and regular crops. It is one of the most profitable market sorts. Fruit is of good size, of extra-fine flavor, and almost solid red.

Paragon (Arkansas). Originated in Tennessee. Fruit is something like the Winesap in color and flavor, but larger in size and a better keeper. Tree is a vigorous grower, hardy and productive. Specimens have been kept until July of the following year after ripening.

Gano (Black Ben Davis). Fruit and tree resembles the well-known Ben Davis, but the fruit is more highly colored. A handsome, large Apple of perfect shape, with a smooth, glossy, deep red skin. Fruit is good quality. Tree a strong, vigorous grower.

Yellow Bellflower. This is a large yellow Apple; flesh fine-grained, crisp, juicy and tender.

Lankford. A dull red Apple of good size. Tree is a splendid bearer, with fruit of fine eating quality and a most excellent keeper. This variety has been kept until May and June with ordinary treatment.

Delicious. See description and prices in list of New Apples.

Baldwin. Large; bright red; crisp, juicy and rich. One of the best known of all winter Apples.

Jonathan. Good size; deep red; tender, juicy and of fine quality. One of the best for family and market. Keeps well through winter. A good fertilizer for other varieties. Tree is very productive and begins to bear young.

Banana. See description and prices in list of New Apples.

Nero. A valuable winter Apple; long keeper, large and handsome, high red color; regular bearer. No better for middle and southern states. Tree is a fine, strong grower.

York Imperial (Johnson's Fine Winter). One of the finest Apples; of medium size, shaded with crimson on sunny side, thickly sprinkled with gray dots; flesh yellowish, firm, crisp, juicy and mildly subacid. A splendid keeper and equally valuable for the table or for cooking. Tree is vigorous and very productive.

Stayman. We think this is one of the best late Apples yet introduced. Medium to large in size; greenish yellow, mostly covered and indistinctly splashed and mixed with dull dark red; flesh yellow, firm, tender, juicy, mild subacid; best quality. This is a seedling of Winesap, originated in Kansas, is much larger, of better quality, and as good or better keeper than its parent. Tree healthy and very strong grower. Adapts itself readily to different soils and situations. Bears young and abundantly.

Winesap. We esteem this variety most highly. It possesses a combination of many excellent qualities. For table it stands among the best; for keeping it is justly esteemed, and for

bearing it scarcely has a rival. **Fruit** of medium size, rather oblong; **skin** smooth, of a fine dark red, with a few streaks sometimes and a little yellow ground appearing on the shady side; **flesh** yellow, firm, crisp, with a rich, high flavor.

Nickajack. One of the fine late red Apples. It is of good quality; medium to large in size. Tree is a splendid grower. This variety is highly recommended by our Apple-growers.

Ben Davis. Finest keeper known. Fine looking; good size, round; red skin; flesh white, juicy, subacid, coarse. Tree is a rapid grower, healthy and vigorous, bears early, annually and abundantly.

Rome Beauty. Large, round; mottled and striped in different shades of red; flavor and quality way above the average. Appearance and size are its valuable points. It is a fine one, and can always be depended upon for full crops.

CRAB APPLES

Siberian Red. Rather small fruit. Tree a good bearer and is a vigorous grower. Fruits young and is free from disease.

Whitney. One of the largest; glossy green, splashed carmine; firm, juicy, pleasant; great bearer. Excellent for jelly-making and for cider. August.

APRICOTS

	Each
Trees 4 to 5 feet.....	\$0.25
Trees 3 to 4 feet.....	.20
Trees 2 to 3 feet.....	.15

Alexander. Very hardy; quality fine; best flavor; good size.

Boan. Very large; good quality. Tree a fine grower.

QUINCES

30 cents each, \$2.75 for 10

Varieties: Bourgeat, Meech, Orange, and Champion.

PLUMS

There is no fruit more appreciated in the family supply than Plums. They can be easily grown if only a small plot of ground is at hand. There is no better place for them than in the chicken-yard. In such a place they may be planted 10 to 12 feet apart. The fruit buds are more hardy than those of the peach. They are enormously productive, thrive on every variety of soil, and the different varieties ripen through a long season from early July to the middle of September.

PRICES OF PLUM TREES

	Each	10	100
First size, 4 to 5 feet.....	\$.25	\$2.00	15.00
Second size, 3 to 4 feet.....	.20	1.50	12.00
Third size, 2 to 3 feet.....	.15	1.00	8.00

Abundance. The tree is a strong, handsome grower and begins fruiting when quite young. Fruit is large and showy, amber-color, turning to a rich, bright cherry, with a decided white bloom; flesh light yellow, exceedingly juicy, tender and sweet. Clingstone. If picked just as it begins to color, it will keep a long time, color up well, and be almost as good as if ripened on the tree—a strong point for the market. July.

America. A hybrid of Robinson with Abundance. Fruit is of good size; bright golden yellow, with pink blush; flesh yellow, moderately firm, good quality. In growth and appearance the tree resembles our natives; productive, bears young. Should prove hardy and succeed where Plums can be grown. A good keeper.

Botan. Similar to Abundance and ripens at about the sametime. Tree is a good, strong, healthy grower.

Burbank. Tree of great vigor, with a broad, sprawling habit of growth. Fruit large, globular in form; cherry-red, with lilac bloom; flesh deep yellow, very sweet. Begins to fruit very young and is a good shipper. August.

Ogon. Rather large, nearly round; golden yellow skin and yellow flesh. A perfect freestone. Good canner. A vigorous grower, with broad, dark green leaves. Late July.

Red June. A vigorous, hardy, upright, spreading tree, as productive as

Abundance. Fruit medium to large, cordate, deep pointed; handsome vermilion-red; flesh light yellow, of good, pleasant quality. Clingstone, with small pit. This is a fine market variety. June.

Satsuma. Large; skin dark purplish red, mottled with blue bloom; shape rather globular; flesh firm, juicy, dark red and of fine flavor; quality fine; pit small. Tree is very vigorous and hardy. August.

Shropshire Damson. Rather small in size; dark purple; esteemed for preserving; very productive. September.

Wickson. The originator, Mr. Burbank, says: "The tree grows sturdy and upright; fruit carmine, with white bloom; flesh is firm, sugary, delicious; very large, with small pit. A fine keeper and shipper." This is a very desirable sort. Late August.

CURRENTS

Fay's Prolific. Red. Plants, 15 cts. each, \$1.25 for 10.

White Grape. White. Plants, 15 cts. each, \$1.25 for 10.

GOOSEBERRIES

Davis, green; **Downing,** green; **Houghton,** red. The three standard varieties, always in demand for pies. Plants, 15 cts. each, \$1.25 for 10.

PEARS

This is one of the finest and most desirable fruits of them all. Taking the different varieties through the season, this fruit can be had from early summer until well into the winter season.

PRICES OF PEAR TREES, except where noted:

	Each	10	100
First-class, 4 to 5 feet.....	\$0.30	\$2.50	\$20.00

Angouleme. Very large; dull greenish yellow, streaked and spotted with russet; flesh white, buttery and very juicy, with a rich, excellent flavor. The large size and fine appearance of this standard Pear makes it a general favorite. September.

Bartlett. This is the most popular summer Pear, both for home and market, that has yet been produced. It bears large crops of large and handsome fruit; juicy, buttery and melting, with a rich, fine flavor. A delicious eating Pear and makes the finest of canned fruit. It ripens in August. First-class, 4 to 5 ft., 50 cts. each, \$4 for 10, \$30 per 100.

Clapp Favorite. Large and handsome; fruit when ripe is marbled with dull red on sunny side; fine-grained and juicy, rich and sweet. Good grower and productive. August.

Garber. One of the Japan hybrids, fully as large as the Kieffer and several weeks earlier; orange-yellow; very hardy; immensely productive, bears young; fine for canning and preserving. September and October.

Kieffer. Growth very vigorous; bears early and abundantly. Fruit very large, rich golden yellow, often tinted with red on sunny side. Considered one of the best market varieties, and fine for canning. It has no equal in yield. Late October. First-class, 4 to 5 ft., 25 cts. each, \$2 for 10, \$18 per 100.

Koonce. Best early Pear. Tree a vigorous, fine grower; fruit medium to large; yellow, with blush next to sun; very productive, handsome and good shipper. A particularly fine Pear for preserving and canning. Ripens with the earliest in July.

Lawrence. Medium in size; yellow, thickly dotted; buttery, rich and aromatic; unsurpassed for flavor and quality for an early winter Pear. Very reliable and productive.

Le Conte. Very vigorous grower, with luxuriant foliage; fruit large; greenish yellow, smooth and handsome. Very productive. Good shipper. Late summer.

Rosney. This is a chance seedling, grown near Salt Lake City, Utah. Ripens about two weeks after Bartlett, averages larger; an excellent keeper and shipper; uniform in size, shape and color, one of the handsomest; creamy skin, with crimson blush; flesh melting, juicy, sweet and tender, of superior flavor. A vigorous grower; hardy both in wood and fruitbud and very productive. Always in great demand in market and brings high prices. First-class, 4 to 5 ft., 50 cts. each, \$4 for 10, \$30 per 100.

Seckel. Small; rich yellowish brown, with lively russet-red cheek. One of the best and highest-flavored Pears known. Regular, annual bearer. One of the finest for preserving. Ripens gradually from mid-August to mid-September. First-class, 50 cts. each, \$4 for 10, \$30 per 100.

Worden. A seedling of Seckel. Fruit of medium size, borne in clusters; juicy, buttery, fine-grained, with a flavor and aroma fully equal to that of its parent, which it surpasses in size, beauty and keeping qualities. Equally good for preserving. Ripens in October and will keep a long while. First-class, 4 to 5 ft., 50 cts. each, \$4 for 10, \$30 per 100.

CHERRIES

In our list of Cherries will be found the old standards as well as new varieties, and all can be grown with the full assurance that they are absolutely the very best of their various classes. The trees are all large, strong and thrifty.

Prices, except where otherwise noted, first class, 30 cents each, \$2.75 for 10, \$25 per 100.

Tartarian. Sweet. Very large; black; juicy, rich, excellent; productive; fine flavor. Deserves general culture. Tree a strong, upright grower. Last of June.

Richmond (Kentish). Sour. Of medium size; dark red; melting, juicy, sprightly, rich acid. Best for cooking and canning. June.

Wood. Sweet. Fruit large; light yellow, with red cheek; juicy, rich, delicious. Tree healthy and productive. Last of June.

Montmorency. Sour. Large; bright red; acid; larger and a week later than Early Richmond. Tree is a free grower, hardy and exceedingly productive. Last of June.

Napoleon. Sweet. Very large; pale yellow, spotted with deep red; very firm and juicy; very productive and a constant bearer. Last of June.

Windsor. Sweet. Fruit large; liver-colored, distinct; flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.

Yellow Spanish. Sweet; large; light yellow, with red cheek, having a waxen appearance; firm, juicy and sweet. One of the best. Very productive. Late June.

Baldwin. Sour. The tree is an upright, rank and vigorous grower; fruit very large, almost perfectly round; very dark, yet almost transparent; flavor slightly subacid, yet the sweetest and richest of the Morello type; fruit more inclined to grow in pairs than in clusters. It is remarkable for earliness, vigor, hardiness, quality and productiveness. It is a tree to command attention, and is so distinct as to attract comment from many upon seeing it without knowing its superior merits.

Nissley. Sweet. This is the largest Cherry we have ever seen. It is dark red in color, is sweet and of fine quality. Has thick, solid meat with very small seed. Keeps well. We had a box of these Cherries, from a gentleman in Pennsylvania, on June 25 of last year, who has the original tree, and from whom we got buds to propagate our trees. Ripens from the middle to the last of June. We have very few of these trees, but they are of extra-high quality. 50 cts. each.

GRAPES

Our Grape-vines are propagated with that same care and attention which distinguish our fruit trees, and the varieties listed below can be depended upon as the very best both for the home or graperly.

15 cents each, \$1 for 10, \$8 per 100.

Champion, or Talman. Black. Bunch medium to large, compact; berries medium, adhering well to the stem; skin thick; flesh sweet, juicy, somewhat pulpy, with foxy flavor; vine a very rank, vigorous grower; hardy, very healthy and productive. Ripens about with or a little after Moore's Early. Desirable for early market.

Concord. Dark purple. Decidedly the most popular Grape in America, and deservedly so. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender, but sufficiently firm to carry well to distant markets; flesh juicy, sweet, pulpy, tender; vine a strong grower, very hardy, healthy and productive. For general cultivation the most reliable and profitable variety grown.

ORDER BLANK.

THE DELAWARE NURSERIES

D. S. COLLINS, Manager.

MILFORD, DELAWARE.

Date.....19..... Gentlemen: Enclosed find \$.....

for which please send the following articles by.....
Mail, Express or Freight

Ship to Mr.

At

County..... State.....

My Post Office Address is.....

Number	Size	VARIETIES	Dollars	Cents

It is mutually understood and agreed to, between the purchaser and ourselves, that our guarantee shall in no case make us liable for a sum greater than originally received for that particular stock.

THE UNIVERSITY OF CHICAGO

THE DIVISION OF THE PHYSICAL SCIENCES

DEPARTMENT OF CHEMISTRY

PHYSICAL CHEMISTRY LABORATORY

RESEARCH REPORT

NO. 1000

1955

BY

ROBERT M. MAYER

GRAPES—continued

McPike. Black. A seedling of Worden, fully as vigorous, hardy and productive, ripening at the same time. Bunch large, compact; berries, with blue bloom; of extra-fine quality.

Moore. Black. Bunch not quite so large as Concord; berries large and very much like Concord in flavor and quality. Vine a moderate grower, very healthy and hardy; foliage thick, leathery. Produces a fair, and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe, and is, therefore, a very popular early market variety.

Niagara. White. Bunch very large and handsome; berries large, round; skin thin, tough, does not crack and carries well; melting, sweet and agreeable to most tastes; ripens with Concord, sometimes a shade later. Vine is vigorous and productive. Succeeds well both north and south. This is the most popular white Grape.

Worden. Dark blue. Rivals Concord in hardiness and productiveness, of better quality, larger berry, ripens earlier.

BLACKBERRIES

Lovett. Berries large, beautiful, and of sweet, excellent flavor. Ripens evenly, holds its color well and brings highest market price. Strong, healthy grower and exceedingly productive. Plants, \$2 per 100, \$15 per 1,000.

Lucretia Dewberry. Of unequalled excellence; firm, sweet and luscious throughout. Its trailing habit renders it less liable to winter-kill. Earlier than the upright varieties. Plants, \$2 per 100, \$15 per 1,000.

ENGLISH (or Persian) WALNUT

A grove of these trees would pay you well in a few years.

First-class, 3 to 4 feet, 50 cts. each, \$5.00 for 10.

BLACK WALNUT

Fine for shade, for nuts or for the valuable wood. Put a row of these trees around your farm, and some day you will be glad you did it.

	Each	10
4 to 5 ft.....	\$0.50	\$4.00
3 to 4 ft.....	.40	3.00

JAPAN WALNUT

The trees grow with great vigor, assume a very handsome form, mature early, bear young. The nuts, which are produced in extreme abundance, grow in clusters, and resemble the shellbark hickory. As a dessert nut it has few superiors, and the meat is used very extensively in the form of candied nuts.

	Each	10
5 to 6 ft.....	\$0.50	\$4.00

AMERICAN CHESTNUT

This is a fine tree for shade, for ornament and for the nuts, which are the sweetest of all Chestnuts, and the wood itself is very desirable.

	Each	10
4 to 5 ft.....	\$0.50	\$4.00
5 to 6 ft.....	.60	5.00

JAPANESE CHESTNUT

This is a fine tree of dwarf habit of growth, which bears immensely large nuts, very distinct from all other Chestnuts. It usually begins to bear when two or three years old.

	Each	10
4 to 5 ft.....	\$0.80	\$7.00
3 to 4 ft.....	.75	6.00
2 to 3 ft.....	.60	5.00

TEAS' WEEPING MULBERRY

The most graceful weeping tree in existence. Forms a perfect-shaped head, with long, slender, willowy branches, drooping to the ground. In light, airy gracefulness, delicacy of form and motion, it is without a rival. It has beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for ornament in small or large grounds, or for cemetery planting. 75 cts. each.

SHADE AND ORNAMENTAL TREES

	Each
Norway Maple. 8 to 10 ft.....	\$1.00
Sugar Maple. 10 ft.....	1.00

THE DELAWARE NURSERIES, MILFORD, DELAWARE

CALIFORNIA PRIVET

This is a beautiful plant for hedges. In two years, with fair treatment, it makes a close, compact, nearly ever-green hedge. The foliage is so abundant as to produce a wall of deepest, richest green. Especially adapted for lawns. For good results set the plants 6 inches apart in the row.

	100	1,000
1-yr. plants, 1 to 2 ft. tall.	\$3.00	\$20.00
2-yr. plants, 2 to 3 ft. tall.	4.00	30.00

ROSES

Crimson Rambler. Red. Fine plants, 30 cts. each, \$2.50 for 10.

Dorothy Perkins. Pink. Fine plants, 30 cts. each, \$2.50 for 10.

HYDRANGEA

Paniculata grandiflora. Plants, 30 cts. each.

Collections, for Cash with Order

- 20 Elberta peach trees for \$1, by parcel post, prepaid.
- 20 Belle peach trees for \$1, by parcel post, prepaid.
- 10 Elberta and 10 Belle peach trees for \$1, by parcel post, prepaid.
- 5 Transparent apple trees, 5 Stayman apple trees, 5 Elberta peach trees, and 5 Belle peach trees for \$1, by parcel post, prepaid.

Assortment A, for \$1

- 1 Transparent Apple tree, 3 ft. tall.
- 1 Stayman Apple tree, 3 ft. tall.
- 1 Pear Tree, 3 ft. tall.
- 1 Plum tree, 3 ft. tall.
- 1 Elberta Peach tree, 3 ft. tall.
- 1 Belle Peach tree, 3 ft. tall.
- 1 Concord Grape-vine.
- 1 Moore Grape-vine.

Assortment B, for \$2

- 1 Nero Apple tree, 3 ft. tall.
- 1 Stayman Apple tree, 3 ft. tall.
- 1 Transparent Apple tree, 3 ft. tall.
- 1 Grimes Apple tree 3 ft. tall.
- 2 Elberta Peach trees, 3 ft. tall.
- 2 Belle Peach trees, 3 ft. tall.
- 1 Plum tree, 3 ft. tall.

Assortment B, for \$2. (Cont'd.)

- 1 Pear tree, 3 ft. tall.
- 2 Grape-vines.
- 1 Crimson Rambler Rose bush.
- 1 Dorothy Perkins Rose bush.

Assortment C, for \$3

- 4 assorted Peach trees, 3 ft. tall.
- 4 assorted Apple trees, 3 ft. tall.
- 4 assorted Pear trees, 3 ft. tall.
- 2 assorted Cherry trees, 3 ft. tall.
- 2 assorted Plum trees, 3 ft. tall.
- 2 Norway Maple shade trees, 6 ft. tall.
- 2 Silverleaf Maple shade trees, 6 ft. tall.
- 2 Grape-vines.
- 1 Crimson Rambler rose bush.
- 1 Dorothy Perkins rose bush.

If some other collection is desired, different from these we have mentioned, let us know what it is and we will give price.

This is fine stock for planting in the lawn or garden plot.

We are not new! Ours is a long established Nursery.

THE DELAWARE NURSERIES

D. S. COLLINS, *Manager*

MILFORD, DELAWARE